

Laptn4b gnf1m10319_s_at

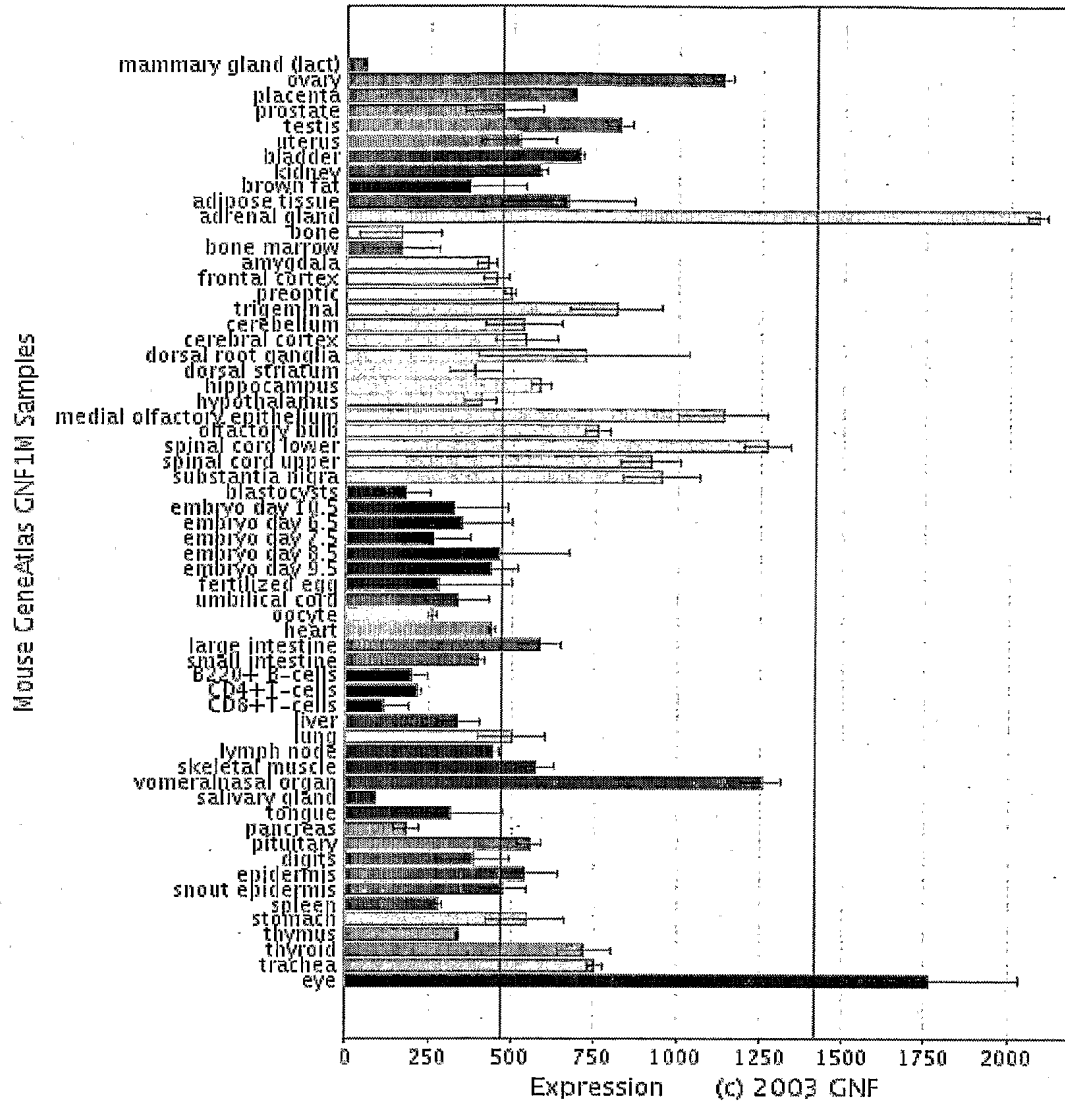


Figure 1

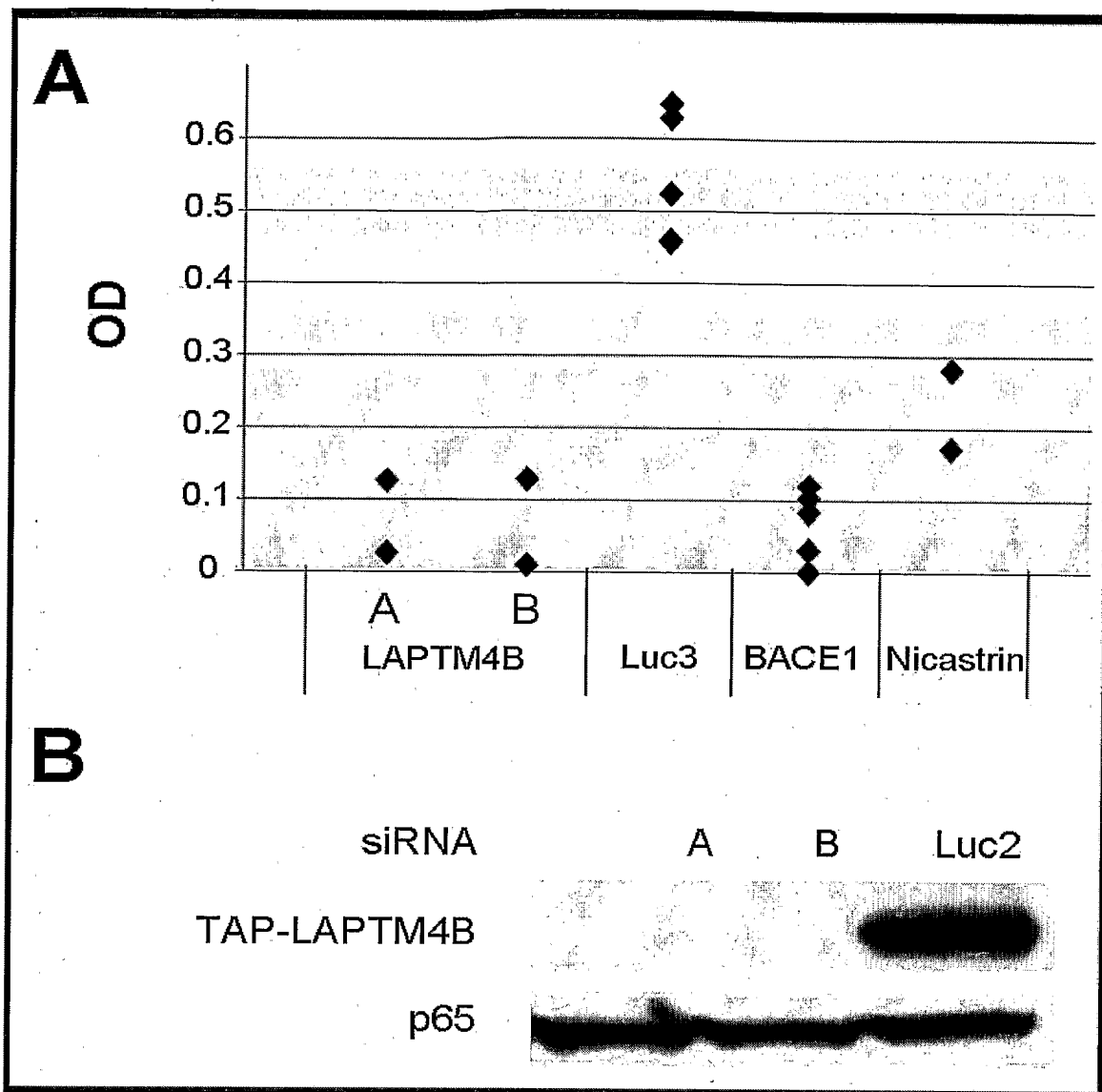
**Figure 2**

Figure 3

| | | | | |
|------------|------------|------------|------------|------------|
| MTSRTRVTWP | SPPRPLPVPA | AAAVAFGAKG | TDPAEARSSR | GIEEAGPRAH |
| GRAGREPERR | RSRQQRGGGL | QARRSTLLKT | CARARATAPG | AMKMVAPWTR |
| FYSNSCCLCC | HVRTGTILLG | VWYLIINAVV | LLILLSALAD | PDQYNFSSSE |
| LGGDFEFMDD | ANMCIAIAIS | LLMILICAMA | TYGAYKQRAA | WIIPFFCYQI |
| FDFALNMLVA | ITVLIYPNSI | QEYIRQLPPN | FPYRDDVMSV | NPTCLVLIIL |
| LFISIILTFK | GYLISCVWNC | YRYINGRNSS | DVLVYVTSND | TTVLLPPYDD |
| ATVNGAAKEP | PPPYVSA | | | |

| | |
|---------------|---|
| m4B | -----KMVAPWT-R-----HS L CH R |
| h4B | MWNYMAGRSQRKLWRSVAVLTKSVWRPGYRGGLQARRSTLLKTCARARATAPGA KMVAPWT-R-----HS L CH R |
| m4A | -----MVS TEKRSRSDR-----TR G FH R |
| h4A | -----MVS SFKNRSRSDR-----TR G CH R |
| Consensus/80% |Mpb...sb*.RfYSppCChChVR |
| m4B | LIINAVVLLI LSALADN---QYHFSGSEL GGEFEFMDN-M IAI L L IL CA AT YKQHA |
| h4B | LIINAVVLLI LSALADED---QYHFSSEL GGEFEFMDN-M IAI L L IL CA AT YKQRA |
| m4A | MT MGVNLLMAIL TWENTHNSMPAVNIQYEVINYSSERM DNA VLF V V FI SS LV ISYQV |
| h4A | MT MGVNLLMAIL TWENTHNSMPAVNIQYEVINYSSERM DNA VLF V V FI SS LV ISYQV |
| Consensus/80% | TGTTLLGsuVhllNhlhlllhs.lscPs.....hpbp.p.lGs.ap.bc.As.hClhbAlSLLMblstMhsYGAbpops |
| m4B | AI D A NT TV V PHS OE IRQ PPS RDDIMSVNPT VL I L IGILLTLKG S S |
| h4B | AI D A NM TV I PHS OE IRQ PPN RDDIMSVNPT VL I L ISILLTFKG S S |
| m4A | RL D V SC SS T LPR KE LDQ D-D KODLLALDSS LF V V FVVEIFKA N N |
| h4A | RL D V SC SS T LPR KE LDQ D-D KODLLALDSS LF V V FALFIFKA N N |
| Consensus/80% | tWLIIPFFCYplFDfsLshlVAl*sLhy.spIpEYlcQLP.sFPY+DDlbtLss*CLlblLLfbslbbhKtYLlscVMS |
| m4B | R NGRHSSDYL -VTSNDTTVL P DD TAVPSTAKE PPS VS |
| h4B | R NGRHSSDYL -VTSNDTTVL P DD T-VNGAAKE PPS VS |
| m4A | K NNRVPEIA PAFETPPQYV T EM VKIP--EKE PPS LP |
| h4A | K NNRVPEIA PAFETAPPQYV T EM VKMP--EKE PPS LP |
| Consensus/80% | CY+YINsRNss-lhvy.shpssshllLPsY-.As.hs...KEPPPPYlSa |

Figure 4

Figure 5: